

CITY COUNCIL AGENDA MEMORANDUM

SUBJECT

Resolution No. ~~8682~~ authorizing execution of a professional services agreement with RH2 Engineering, Inc., for engineering services for the Horizon View #3 Water Pump Station Rehabilitation bid document preparation, and services during bidding and construction, in an amount not to exceed \$151,000 (CIP Plan No. W-91).

FISCAL IMPACT

This contract obligates the City to an amount up to \$151,000. This work is included in the 2013-2019 CIP. Sufficient budget exists within the Water Pump Station Rehabilitation (CIP Plan No. W-91) to fully fund this contract.

STAFF CONTACT

Nav Otal, Director, 452-2041

Paul Bucich, Assistant Director, 452-4596

Utilities Department

POLICY CONSIDERATION

Utilities Department policies:

Utility policies provide for the identification and implementation of capital projects via the CIP, to rehabilitate or replace deteriorated elements of the water system. This policy ensures that utility customers are provided with consistent and reliable services. CIP Plan No. W-91 has been designated to rehabilitate aging water pump stations.

BACKGROUND

The Horizon View #3 project is located at the top of The Summit development in the Eastgate/Cougar Mountain neighborhood. The Horizon View #3 reservoir was constructed in the mid-1970s, and the existing pumping station process equipment was installed in the mid-1980s. No new work has been done at the station since then. This aging equipment has reached the end of its useful life and needs to be repaired. This project will replace the existing pumps and associated equipment. In addition, an on-site emergency generator will be installed to ensure water service reliability to this single-feed water zone. The water pump station provides the sole source of domestic water service and fire flow to approximately 125 residential homes.

This professional services agreement between RH2 and the City provides the City with professional engineering services for the preparation of bid documents, as well as professional engineering services through bidding and construction. Predesign and permitting needed for the rehabilitation of Horizon View #3 water pump station, has been successfully completed by RH2 under a previous contract. In order to ensure project continuity, RH2 will continue to provide professional services through the construction phase.

RH2 was selected by a Utilities Department selection committee following the City's policies and procedures for consultant selection. Several targeted Statements of Qualification (SOQ's) were reviewed on the shared procurement portal for engineering firms familiar with this type of work. Seven firms (CHS Engineers LLC, Jacobs Engineering, HDR Engineering Inc, Kennedy Jenks Consultants, Parametrix, RH2 Engineering and MWH) were then invited to submit proposals addressing the specific issues involved with rehabilitation of the Horizon View #3 water pump station. After reviewing these proposals, the selection committee invited RH2, MWH and HDR to interview before finalizing the selection. RH2 demonstrated a thorough understanding of the issues and constraints associated with this project. RH2 has a proven record for designing and permitting projects of this type, and were considered the most qualified to perform this work.

As required by state law relating to contracts for architectural and engineering services, the City selects the consultant deemed to be most highly qualified for a given project. State law precludes using cost as a basis for selection of engineering firms.

EFFECTIVE DATE

If adopted, this Resolution will become effective immediately.

OPTIONS

1. Adopt Resolution No. 8682 authorizing execution of a professional services agreement with RH2 Engineering, Inc., for engineering services for the Horizon View #3 Water Pump Station Rehabilitation bid document preparation, services during bidding and construction, in an amount not to exceed \$151,000 (CIP Plan No. W-91).
2. Do not adopt the Resolution and provide alternative direction to staff.

RECOMMENDATION

Adopt Resolution No. 8682 authorizing execution of a professional services agreement with RH2 Engineering, Inc., for engineering services for the Horizon View #3 Water Pump Station Rehabilitation bid document preparation, services during bidding and construction, in an amount not to exceed \$151,000 (CIP Plan No. W-91).

ATTACHMENTS

CIP Project Description

Proposed Resolution No. 8682

AVAILABLE IN COUNCIL OFFICE

Consultant Contract

W-91 Water Pump Station Rehabilitation

Category: **Water**
 Department: **Utilities**

Status: **Ongoing**
 Location: **Various locations throughout the water service area**

Programmed Funding

Programmed Funding	Appropriated To Date	FY 2013 Budget	FY 2014 Budget	FY 2015 Budget	FY 2016 Budget	FY 2017 Budget	FY 2018 Budget	FY 2019 Budget
12,301,725	2,960,424	933,773	1,308,042	1,344,545	1,380,756	1,419,358	1,457,736	1,497,091

Description and Scope

This program was established in 2005 to rehabilitate Bellevue's twenty-two water pump stations. Based on a needs assessment of each pump station, improvements can range from basic improvements to complete reconstruction. The rehabilitation work always includes replacing the mechanical and electrical equipment, adds on-site emergency power generation as needed, and resolves structural deficiencies and life/safety issues as needed.

PROJECT NEED: System Renewal and Replacement

Rationale

Thirty five percent of all water used in Bellevue passes through one or more of the twenty-two pump stations, amounting to over two billion gallons of water per year. The stations were last rehabilitated in the early 1980s and are reaching the expected industry-standard life of 25-30 years for mechanical and electrical equipment. As station components age, reliable water supply for domestic and commercial use, and to fight fires, is compromised. There is increased risk of sudden failure, requiring emergency response and higher cost repair. O&M costs increase, and parts become obsolete.

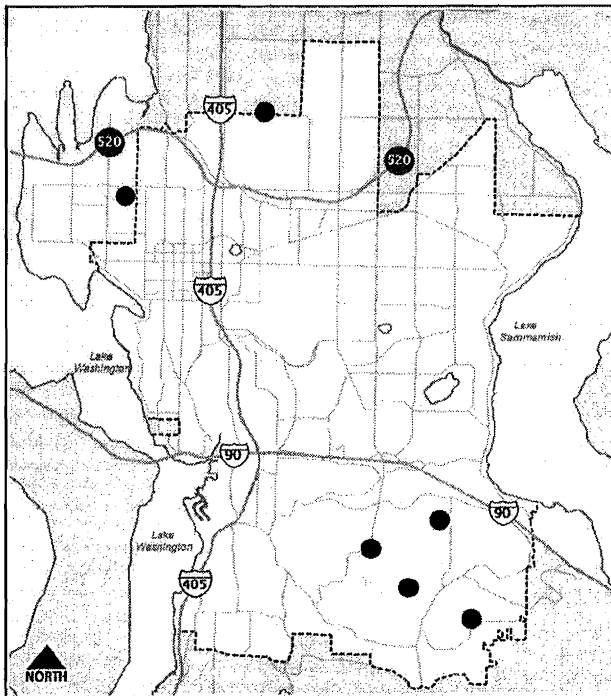
Based on an initial consultant evaluation, the Utility should rehabilitate one pump station per year until the highest priority pump stations have been completed. The current budget will accomplish this recommendation. Cost estimates range from \$400,000 to over \$4,000,000 per station.

Environmental Impacts

Most work will be within the confines of the existing pump station buildings, therefore no impacts are anticipated.

Operating Budget Impacts

This project will have no impact on operating revenues (and/or) expenditures, since it replaces existing facilities.

Project Map**Schedule of Activities**

Project Activities	From - To	Amount
Project Costs	2005 - 2019	12,301,725

Total Budgetary Cost Estimate: 12,301,725

Means of Financing

Funding Source	Amount
Utility Rates/Fees	12,301,725

Total Programmed Funding: 12,301,725

Future Funding Requirements: 0

Comments

This project is located throughout the service area.

CITY OF BELLEVUE, WASHINGTON

RESOLUTION NO. 8682

A RESOLUTION authorizing the execution of a professional services agreement with RH2 Engineering, Inc., in an amount not to exceed \$151,000, for engineering services for the Horizon View #3 Water Pump Station Rehabilitation bid document preparation, and services during bidding and construction (CIP Plan No. W-91).

THE CITY COUNCIL OF THE CITY OF BELLEVUE, WASHINGTON, DOES RESOLVE AS FOLLOWS:

Section 1. The City Manager or his designee is hereby authorized to execute a professional services agreement with RH2 Engineering, Inc., in an amount not to exceed \$151,000, for engineering services for the Horizon View #3 Water Pump Station Rehabilitation bid document preparation, and services during bidding and construction (CIP Plan No W-91), a copy of which agreement has been given Clerk's Receiving No. _____.

Passed by the City Council this _____ day of _____, 2014, and signed in authentication of its passage this _____ day of _____, 2014.

(SEAL)

Claudia Balducci, Mayor

Attest:

Myrna L. Basich, City Clerk